

Work Order ID 162752

Monday, June 12, 2017 11:47:01 AM

162752

Page 1

Item ID: D3800-3-100 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Hook And Loop Strip (1" Hard)
 Start Date: 6/12/2017 Start Qty: 75.00 ***75*** Cust Item ID:
 Required Date: 6/19/2017 Req'd Qty: 75.00 ***75*** Customer:
 Reference: DAS
 21

Approvals: Process Plan: **JUN 12 2017** Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3800	Rev B								
100	PURCHASING	0.00				<u>75</u>		<u>JUN 12 2017</u>	DAS 13 9-89
100									
Purchasing	Memo	0.00							
Purchasing	Issue P/O: <u>36665</u>								
	Purchase Part Number: 9776K97 (5FT) , 9776K113(10FT) , 9776K13(15FT) , 9776K23(30FT) , 9776K117 (50FT) , <u>9776K33(75FT)</u> , 9776K93(combination pack)								
	Supplier: McMASTER CARR Certificate of conformity is required								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	1.50							
Packaging	Ensure Material Release Note is attached								

75 8017-6-15

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐						OTHER : ☐	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

Page 1

Monday, June 12, 2017 11:47:04 AM

Work Order ID: 162752

162752

Parent Item: D3800-3-100

D3800-3-100

Parent Item Name: Hook And Loop Strip (1" Hard)

Start Date: 6/12/2017

Required Date: 6/19/2017

Start Qty: 75.00

Required Qty: 75.00

Comments: IPP Rev:A 08-10-21 revB as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
9776K33		Purchased	No			100	f	0.0000	1	75			
9776K33									**	75			
Hook And Loop Strip 1"													

8/17/15

DQA: _____ Date: _____



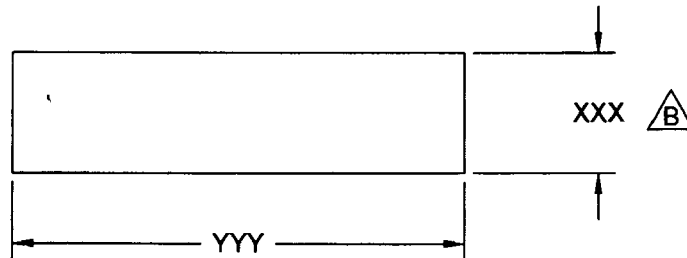
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

SPECIFICATION CONTROL DRAWING



DESCRIPTION: HOOK AND LOOP STRIP WITH ADHESIVE BACK

SPECIFICATION: D3800-1-XXX-YYY LOOP STRIP (ie. SOFT VELCRO STRIP)
D3800-3-XXX-YYY HOOK STRIP (ie. HARD VELCRO STRIP) B

WHERE 'XXX' IS WIDTH IN HUNDREDTHS OF AN INCH
AND 'YYY' IS LENGTH IN TENTHS OF AN INCH

EG. 1" WIDE BY 2.5" LONG LOOP STRIP = D3800-1-100-025
2" WIDE BY 10.0" LONG HOOK STRIP = D3800-3-200-100

PART NUMBER	WIDTH	PURCHASE
D3800-1-100-YYY LOOP STRIP	1.0	McMASTER CARR P/N: 9776K122, 9776K126, 9776K18, 9776K28, 9776K131, 9776K38
D3800-3-100-YYY HOOK STRIP	1.0	McMASTER CARR P/N: 9776K97, 9776K113, 9776K13, 9776K23, 9776K117, 9776K33
D3800-1-100-YYY & D3800-3-100-YYY (PURCHASED AS COMBINATION PACK)	1.0	McMASTER CARR P/N: 9776K72, 9776K76, 9776K79, 9776K84, 9776K88, 9776K93
D3800-1-200-YYY LOOP STRIP	2.0	McMASTER CARR P/N: 9776K123, 9776K127, 9776K19, 9776K29, 9776K132, 9776K39
D3800-3-200-YYY HOOK STRIP	2.0	McMASTER CARR P/N: 9776K98, 9776K114, 9776K14, 9776K24, 9776K118, 9776K34
D3800-1-200-YYY & D3800-3-200-YYY (PURCHASED AS COMBINATION PACK)	2.0	McMASTER CARR P/N: 9776K73, 9776K77, 9776K81, 9776K85, 9776K89, 9776K94

NOTES:

- 1) MATERIAL: WOVEN NYLON HOOK AND LOOP WITH ADHESIVE BACK
BEIGE COLOR
ACCEPTABLE SUPPLIERS PER ABOVE TABLE
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: N/A

RELEASED

B	ADD 1" WIDTH OPTION, "XXX-YYY" WAS "XXX", ADD ADDITIONAL McMASTER PART NUMBERS	CP	08.09.09
A	NEW ISSUE	CP	08.06.18
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>GP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>GP</i>		
CHECKED	<i>PH</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>EE</i>	D3800	SHEET 1 OF 1
APPROVED	<i>GP</i>	TITLE	SCALE
DE APPR.	<i>GP</i>	HOOK AND LOOP STRIP	NTS
DATE	08.09.09	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

SHOP COPY
RETURN TO
ENGINEERING
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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 160359
MUS

1206-12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36665**

Purchase Order Date 6/12/2017

PO Print Date 6/12/2017

Page Number 5 of 6

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

14	50715K676	FLARED TUBE FITTING SS	6/14/2017	FN	6.00	\$8.27	\$49.62
			Yes		Each		
			6/14/2017				

AS PER DWG D5530 REV. A
B162747

Line Total: \$49.62

15 9776K33

Hook And Loop Strip 1"

6/14/2017

Yes

6/14/2017

75.00

f

\$1.21

\$90.59

AS PER DWG D3800 REV. B
B162752

DAS
38
9-89

Line Total: \$90.59

Note:

6/12/2017



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO36665
Order Placed By
Chantal Lavoie

McMaster-Carr Number
4488228-01

Page 1 of 1
06/12/2017

Line	Product	Ordered	Shipped
1	6718K52 303 Stainless Steel Industrial-Shape Air Hose Coupling Plug, 1/4 Coupling Size, 1/4 NPTF Female End	16 Each	16
2	6047T33 3M 471 Floor Marking Tape 1" Wide, Black, 108 Feet Long	1 Each	1
3	92198A111 18-8 Stainless Steel Hex Head Screw 1/4"-28 Thread Size, 1-1/2" Long, Partially Threaded, Packs of 25	1 Pack	1
4	7579A34 Round Nozzle, 1/16" Opening ID, 4" Long, for Dispensing Gun	20 Each	20
5	6641A41 Flexible Gasket Maker Sealant Loctite 598, 2.36 oz. Tube	15 Each	15
6	7510A653 Plastic Syringe with Luer Lock Tip, 0.34 oz. Capacity, Packs of 10	15 Packs	15
7	93980A170 Adhesive-Grip Female-Threaded Anchor for Concrete, Steel, 1/2"-13 Thread Size	12 Each	12
8	4289A34 Adjustable Length Deburring Tool with Three Blades, Jesse	8 Each	8
9	4289A29 Blade Holder for Heavy Duty Deburring Tool, Jesse	2 Each	2
10	4289A53 Deburring Blade for Hole Back Edge, Trade No. E-600, Jesse	10 Each	10
11	5155T28 Laboratory Tygon PVC Tubing for Chemicals 1/4" ID, 1/2" OD	120 Feet	120
12	53485K22 Push-on Brass Barbed Hose Fitting 1/4" ID, 7/16"-20 UNF 37 & 45 Degree Female Flared End, Packs of 5	3 Packs	3
13	50715K676 37 Degree Flared Fitting for Stainless Steel Tubing Straight Adapter for 1/4" Tube OD, 7/16"-20 UNF Male, Your Line 14	6 Each	6
14	9776K33 1" Wide x 75' Long Hook, Adhesive Back, Beige	1 Each	1

SP176-15

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-8087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 34188797
Purchase Order: PO36665
Release:
McMaster-Carr Number: 4488228-01

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
6	7510A653 Plastic Syringe with Luer Lock Tip, 0.34 oz. Capacity, Packs of 10 Country of Origin: United States Schedule B #: 392690 ECCN #: EAR99 NLR	15 PK	\$8.39	\$125.85
7	93980A170 Adhesive-Grip Female-Threaded Anchor for Concrete, Steel, 1/2"-13 Thread Size Country of Origin: Peoples Republic of China Schedule B #: 731815 ECCN #: EAR99 NLR	12 EA	\$4.34	\$52.08
8	4289A34 Adjustable Length Deburring Tool with Three Blades, Jesse Country of Origin: Israel Schedule B #: 820559 ECCN #: EAR99 NLR	8 EA	\$10.83	\$86.64
9	4289A29 Blade Holder for Heavy Duty Deburring Tool, Jesse Country of Origin: Israel Schedule B #: 846610 ECCN #: EAR99 NLR	2 EA	\$5.79	\$11.58
10	4289A53 Deburring Blade for Hole Back Edge, Trade No. E-600, Jesse Country of Origin: Israel Schedule B #: 820790 ECCN #: EAR99 NLR	10 EA	\$3.24	\$32.40
11	5155T28 Laboratory Tygon PVC Tubing for Chemicals 1/4" ID, 1/2" OD Country of Origin: United States Schedule B #: 391732 ECCN #: EAR99 NLR	120 FT	\$3.52	\$422.40
12	53485K22 Push-on Brass Barbed Hose Fitting 1/4" ID, 7/16"-20 UNF 37 & 45 Degree Female Flared End, Packs of 5 Country of Origin: United States Schedule B #: 741220 ECCN #: EAR99 NLR	3 PK	\$12.81	\$38.43
13	50715K676 37 Degree Flared Fitting for Stainless Steel Tubing Straight Adapter for 1/4" Tube OD, 7/16"-20 UNF Male, Your Line 14 Country of Origin: United States Schedule B #: 730729 ECCN #: 2B999 NLR	6 EA	\$8.27	\$49.62
14	9776K33 1" Wide x 75' Long Hook, Adhesive Back, Beige Country of Origin: United States Schedule B #: 590699 ECCN #: EAR99 NLR	① EA	\$90.59	\$90.59
NOTE	These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.			
NOTE	Tracking number(s) for this shipment: CPK005533848			

SP17-6-B

DAS
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Number of Packages: 1

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